How Does Renewable Energy Benefit Humanity?

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Abstract

Climate change has been one of the major problems of the century. This research is an assessment of the negative impacts of fossil fuels on climate, and the advantages of an alternative energy resource (renewable energy resource). It briefly explains the negative impact of CO2 emission from fossil fuels and its impact on global warming.

Energy and Environment

Climate change—Major Problem of the century

The Greenhouse Effect

Energy Resources

Non Sustainable

Natural Gas

Oil

Coal

Nuclear

Sustainable

Geothermal

Hydroelectric

Wind

Solar

Mark Lynas [15], has researched the consequences of temperature increase by 6 degrees, and he has explained each stage separately.

1° C: Ice-free sea absorbs heat; fresh water lost; low-lying coastlines

2° C: Heatstroke; forest fire; stressed plants beginning to emit carbon rather than absorbing

3° C: Carbon release from vegetation and soils speeds global warming; death of the Amazon rainforest; super-hurricanes hit coastal cities, starvation in Africa

4° C: Runaway thaw of permafrost, makes global warming unstoppable; much of Britain made inhabitable by severe flooding

5° C: Methane from ocean floor accelerates global warming; ice glaciers melt in both poles; humans migrate for search of food

6° C: Life on Earth ends with apocalyptic storms; hydrogen sulphide gas and methane atomic bombs.

Need for Alternative

- World mostly relies on fossil fuels
- Around 80% of the energy is from fossil fuels
- Other than energy production, industries emit CO2 and other GHGs

Alternate Energy Should Be....

- Clean environment
- Unlimited supply / Perennial
- Zero GHG emission
- Decentralization
- Enables rural/ island electrification
- Creating employment opportunities
- Social development

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Conclusion

Approximately 80% of the Fossil fuels are used for energy generation worldwide. Fossil fuels are the major emitters of CO2, which is one of the main causes of global warming. An alternative energy resource for fossil fuel is renewable energy. Renewable energy resources emit zero green gas gasses and they are sustainable. It is the ideal resource to benefit the humanity.

References